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# Wing RS 100

## User's Manual

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## Chapter 1. Product Introduction Specification



Model	VG1000BNS
Case Type	Middle Tower
Net Weight	4.75 kg ; 10.47 lb
Dimension (H*W*D)	440 x 190 x 480 mm 17.3 X 7.5 X 18.9 inch
Cooling System	Front (Intake) : 120 x 120 x 25 mm (optional) Rear (Exhaust) : 120 x 120 x 25 mm, 1300rpm, 17dBA
Drive Bays - Accessible - Hidden	10 4 x 5.25", 1 x 3.5" 5 x 3.5"
Material	SECC
Color	Black
Expansion Slots	7
Motherboards	Micro ATX , Standard ATX
I/O Ports	Dual USB 2.0, MIC & Speaker



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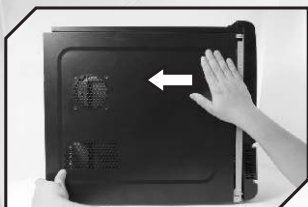
## Chapter 2. Case Mechanical Operation

### 2-1 How to open the side panel



1

To remove the side panel, please remove upper and bottom thumb screws on the back of the case.



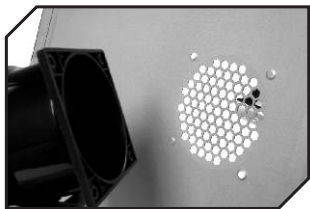
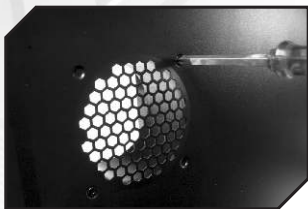
2

Remove the side panel, please refer to the orientation of the picture.



3

Open the side panel



#### **Important Notice:**

If the air guide interferes with CPU cooling fan, please remove the CPU air guide as shown.

### 2-2 External 5.25" device installation



1

Remove the front panel



2

Pull out the front panel as shown



3

Remove the 5.25" drive bay plastic cover

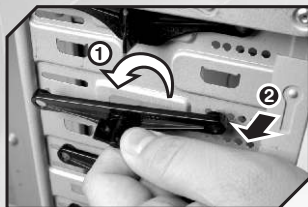


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4

Remove the 5.25" drive bay metal cover



5

Turn lock device counterclockwise to unlock



6

Remove lock device



7

Place 5.25" device into the drive bay



8

Find the proper openings



9

Put back the lock device and turn lock device clockwise to lock



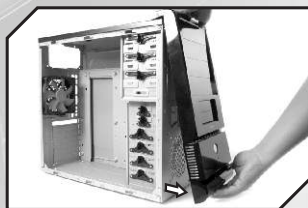
10

5.25" device installation complete



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## 2-3 External 3.5" device installation



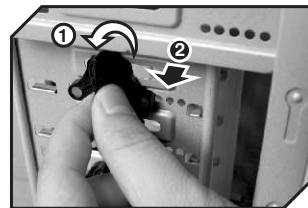
1

Pull out the front panel as shown



2

Remove the 3.5" drive bay plastic cover



3

Turn lock device counter-clockwise to unlock



4

Remove lock device and insert the device into the 3.5" drive bay



5

Find the proper openings



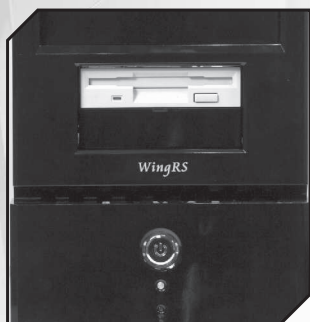
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## 2-4 HDD installation



7

Put back the lock device and turn clockwise to secure the drive



8

3.5" device installation complete

### Important Notice:

The lower 3.5" external drive bay is not compatible with FDD, but HDD is able to be installed in it. While installing HDD, please remove the tool-free kit and secure HDD by screws.



1

Turn lock device counter-clockwise to unlock



2

Remove lock device then place HDD into drive bay



3

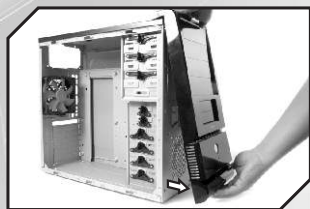
Put back the lock device and turn lock device clockwise to secure the HDD



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## 2-5 Front fan installation (optional)



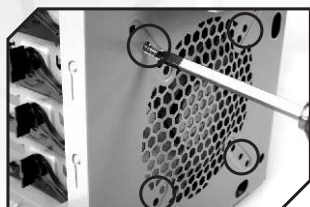
1

Remove the front panel



2

Place the fan as shown



3

Secure the fan by screws

## 2-6 PCI slot usage



1

Remove thumb screw from  
PCI slot bracket



2

Take off the PCI slot  
bracket as shown



3

Insert the PCI device  
into PCI slot



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## 2-7 How to install PSU



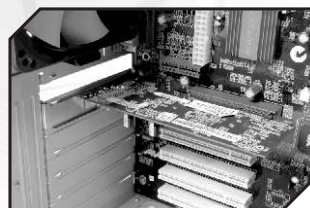
4

Put back the PCI slot bracket



5

Screw the thumb screw  
as shown



6

Finish installation



1



Place the PSU over the  
location as shown



2

Secure it by screws



3

Finish installation



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## Chapter.3 Motherboard & Leads Installation

### 3-1 Motherboard Installation

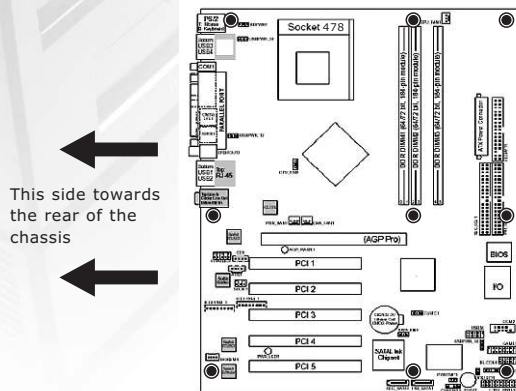
Each motherboard has different standoff layout. It is highly suggested that you refer to your motherboard's manual when installing motherboard into the Case. The cases are applicable with Standard ATX, Micro ATX motherboards. Your motherboard may require a special I/O Panel, which should be included with your motherboard.

#### Placement Direction:

When installing the motherboard, make sure you follow the direction provided by your motherboard manufacturer. On most standard motherboards, the edge with external ports goes to the rear part of the chassis. It is highly recommended that you install CPU, heat sink and modular components before fixing the motherboard inside the chassis.

#### Note :

Due to the variety of motherboards on the market, the majority of the motherboards come with their own I/O plates. It's necessary for you to remove the fan holder before install the I/O plates.



The locations of the screw holes. Note these locations and place included standoffs on the chassis first.

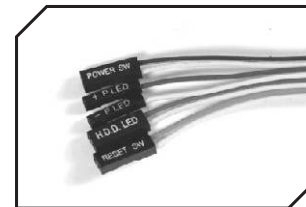
Above illustration is a sample of what the motherboard's layout. For more detail screw hole placement, please refer to your motherboard manual.

### 3-2 Case LED connections

On the front of the case, you can find some LEDs and switch leads (POWER SW\*1, POWER LED\*1, H.D.D. LED\*1, RESET SW\*1).

Please consult user manual of your motherboard manufacturer, then connect these leads to the panel header on the motherboard. These leads are usually labeled; if not, please trace them back to the case front to find out their source.

- **POWER LED**  
connects to your M/B at the PLED
- **POWER SW**  
connects to the PWR connector on the motherboard.
- **H.D.D LED**  
connects to the 2-pin labeled HDD LED connector.
- **RESET SW**  
connects to the RSW connector on the motherboard,

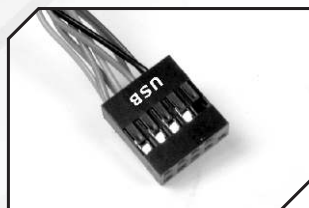


### 3-3 USB2.0 connection

#### USB connection

Please consult your motherboard manual to find out the section of "USB connection".

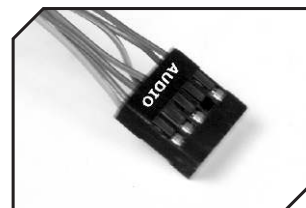
USB									
VCC1	1			2	VCC2				
D1-	3			4	D2-				
D1+	5			6	D2+				
GND	7			8	GND				
NC	9			10	KEY				



### 3-4 Audio connection

Please consult your motherboard manual to find out the section of "front panel audio connector".

AUDIO									
AUD_GND	1			2	MIC				
AUD_GND	3			4	MIC_BIAS				
FP_RET_R	5			6	FP_OUT_R				
KEY	7			8	AUD_VCC				
FP_RET_L	9			10	FP_OUT_L				



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### 4-1 RSI Cooler (Optional)

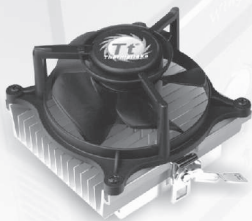


#### **PIN : CL-P0441**

Designed for Intel Core 2 Duo Processor  
Application for Intel Core 2 Duo /  
Pentium D / Celeron series (Socket LGA775)

#### **FEATURES:**

- Aluminum Crotch Fin provides more heat dissipation area.
- Silent operation.
- Optimized solution for low power processors.
- Back plate & Spring Screw mounting method ensure safe installation when shipping.



#### **PIN : CL-P0444**

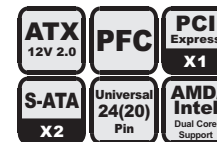
Application for  
AMD Athlon 64 X2/Athlon 64 FX/  
Athlon 64(Socket AM2/ 939/754) and  
Sempron (Socket AM2/754)

#### **FEATURES :**

- Perfect ratio aluminum extrusion heatsink for better heat dissipation.
- Tool-less clip, easy installation.
- Silent Solution

### 4-2 RSI Power Supply (Optional)

# Litepower 400W



**PIN: W0161 W1PFC**



**PIN: W0162 No PFC**

#### **FEATURES:**

- Intel ATX 12V 2.0 Compatible.
- Supports 6-pin PCI-Express, 2 SATA, and 20+4 pin connector.
- Dual +12V output circuit provides steady output for system.
- Super quiet and stable 12cm ball bearing fan.
- Build-in Over Current Protection, Over Voltage protection, and Short-Circuit protection.
- Safety : UL, CUL, CE, NEMKO, TUV+CB, BSMI, FCC certification.

There are recommended products of Thermaltake PSU,  
please refer to <http://www.thermaltake.com>



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